# GOVERNMENT OF INDIA
# HUMAN RESOURCE DEVELOPMENT
# LOK SABHA

UNSTARRED QUESTION NO:5836
ANSWERED ON:10.04.2017
Initiatives of AICTE
Kashyap Shri Virender

**Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:**

(a) whether the Government has any plan to take any new initiatives in All India Council for Technical Education(AICTE) to bring improvements in Technical Education in the country;

(b) if so, the details thereof; and

(c) if so, the position of such engineers in the country during the last three years and the current year?

## Answer

MINISTER OF STATE IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT

(DR. MAHENDRA NATH PANDEY)

(a) to (c): With a view to improve the standards of technical education and to provide competent technical manpower for the Make-In-India campaign, the All India Council of Technical Education (AICTE) has approved the following package of measures to be implemented by all the technical institutions:

1. Induction training: Every student, on admission, shall be put through a mandatory Induction training to reinforce the fundamental concepts and the required language skills required for the technical education.

2. Revision of curriculum: Every affiliating Technical University shall constitute subject-wise industry consultation committee (ICC) with the mandate of examining the existing curriculum and for making suitable changes in the curriculum every year. This process shall be completed in the month of December each year for the courses to be offered in the coming Academic year. Each institution, while applying for approval, shall certify completion of this process, which will be ma ndatory.

3. Mandatory internships: Every student in technical institution shall do three internships each spanning 4 to 8 weeks before completion of the under-graduation. The responsibility will be on the institution for helping the students in finding suitable industry or organisation for the internship.
4. Industry readiness: All students passing out of the undergraduate courses shall be imparted technical and soft skills required for working in the industry encompassing − managerial skills, entrepreneurial skills, leadership skills, communication skills, team-working skills and technical skills.

5. Promoting innovation/start-ups: There shall be efforts at every level for promoting innovation and creativity in the students. The innovation drives like Hackathon shall be promoted, so that innovative ideas would emerge that can be incubated in the start-up centres.

6. Exam reforms: The final exams being conducted by the institutions shall test the understanding of the concepts and the skill − rather than the subject knowledge. A model exam format would be prepared and shared with the institutions and the technical universities for suitable adoption. This aspect would be reviewed at the time of approval.

7. Training of teachers: Every teacher in each of the technical education disciplines shall mandatorily undergo an annual refresher course delivered through SWAYAM portal, encapsulating all the major advances in the field of their study. Online courses would also be prepared and delivered through the SWAYAM platform for improving the pedagogical techniques of the teachers. The participation in the courses by atleast 50% of the faculty would be a mandatory condition for approval of the institution. Similarly, there should be leadership training to the heads of the institutions once in 2 years. These trainings would also be hosted through the SWAYAM platform.

8. Mandatory accreditation: At least half of all the programmes in the technical institutions shall be accredited through the NBA before 2022. Unless there is credible progress each year, the approval of the institutions can be refused. In order to assist the institutions in meeting the mandatory requirements for applying for accreditation, a separate mechanism will be put in place.

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